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DM-10/2003

ATTORNEY DOCKET NO: AGX-45-CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Paul Janis Timans)
Serial No: 10/040,272)
Filed: November 7, 2001)
Confirmation No: 9676)
Title: System And Process For Heating)
Semiconductor Wafers By Optimizing)
Absorption Of Electromagnetic Energy)

Group Art Unit: 3742
Examiner: S. T. Fuqua
Our Account No: 04-1403
Customer No: 22827

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1.[x] Attached hereto is:

- a.[x] A list of materials for consideration per Rule 98(a)(1): 3 page(s)
- b.[x] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98 and/or as indicated on the attached list(s):
95 item(s)
- c.[] For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: _____

[] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.

2.[x] This Information Disclosure Statement is being filed [CHECK ONE]:

- a.[] WITHIN THREE MONTHS of the application filing date, national stage date of entry, or along with or after a request for continued examination, OR BEFORE the mailing date of a first Office Action on the merits, which ever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required.
- b.[x] AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]:
- i.[] Certification per Rule 97(e); OR
- ii[x] Filing Fee per Rule 17(p)\$180.00
- c.[] AFTER a Final Action OR Notice of Allowance, but BEFORE payment of the issue fee, WHEREFORE per Rule 97(d) submitted herewith is:
- i. Certification per Rule 97(e); AND
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3.[] Rule 97(e) Certification; per Rule 97(e), the undersigned certifying party make the following certification statement [CHECK ONE]:

- a.[] That each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
- b.[] That no item of information contained in this Information Disclosure Statement was cited in a foreign patent office in a counterpart foreign application and to the knowledge of the undersigned after making a reasonable

inquiry, was known to any individual designated in Rule 56(c) more than three months prior to the filing of this statement.

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4.[x] DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

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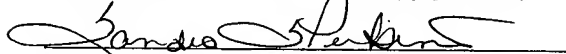
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By: Christina L. Mangelsen, Patent Agent

Reg. No: 50,244

Signature: 

Date: August 2, 2004



(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: AGX-45-CIP	Serial Number: 10/040,272
	Applicant: Paul Janis Timans	
	Filing Date: November 7, 2001 Confirmation No: 9676	Group Art Unit: 3742

NOTE:

If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]

- (1) This item is cumulative, per Rule 98(c)
- (2) A copy of this item was previously cited by or submitted to the U.S. Patent and Trademark Office in:
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USSN _____, filed _____;
Relied on under 35 U.S.C. Section 120, per Rule 98(d)
- (3) Both reasons (1) and (2) apply
- (4) No legible complete copy is possessed, in custody of controlled, or readily available
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U.S. PATENT DOCUMENTS										
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER							ISSUE DATE	COPY NOTE
	Selvig	2	3	1	8	5	3	3	05/04/1943	
	Gentile, et al.	3	8	7	9	2	5	7	04/22/1975	
	Roberts, Jr.	3	9	0	3	3	4	2	09/02/1975	
	Dunning, et al.	4	1	6	6	0	0	1	08/28/1979	
	Kearney, et al.	4	2	2	5	3	8	2	09/30/1980	
	Nuttall, et al.	4	3	4	4	8	1	8	08/17/1982	
	Arai, et al.	4	5	7	1	4	8	6	02/18/1986	
	Levinson, et al.	4	6	1	5	7	6	5	10/07/1986	
	Chiba, et al.	4	7	6	1	5	3	8	08/02/1988	
	Robinson, et al.	4	9	7	5	5	6	1	12/04/1990	
	Anderson, et al.	5	1	7	9	6	7	7	01/12/1993	
	Wortman	5	2	5	3	3	2	4	10/12/1993	
	Moslehi, et al.	5	2	6	8	9	8	9	12/07/1993	
	Thompson, et al.	5	3	2	6	1	7	1	07/05/1994	
	Najm, et al.	5	3	4	5	5	3	4	09/06/1994	
	Moslehi, et al.	5	3	6	7	6	0	6	11/22/1994	
	Kakoschke	5	3	9	9	5	2	3	03/21/1995	
	Hauser, et al.	5	4	1	8	8	8	5	05/23/1995	
	Lee, et al.	5	4	4	4	8	1	5	08/22/1995	
	Ohkase, et al.	5	5	3	6	9	1	8	07/16/1996	
	Fujie	5	5	8	7	0	1	9	12/24/1996	
	Moslehi	5	6	3	5	4	0	9	06/03/1997	
	Farrington, Jr., et al.	5	6	5	6	1	3	2	08/12/1997	
	Oriaran, et al.	5	6	9	5	6	0	7	12/09/1997	
	Singh, et al.	5	8	2	0	9	4	2	10/13/1998	
	Oriaran, et al.	5	8	5	1	6	2	9	12/22/1998	
	Champetier, et al.	5	8	7	4	7	1	1	02/23/1999	
	Oriaran, et al.	5	8	8	2	4	7	9	03/16/1999	
	Habuka	5	9	1	3	9	7	4	06/22/1999	
	Vosen	5	9	3	0	4	5	6	07/27/1999	
	Farrington, Jr., et al.	5	9	3	2	0	6	8	08/03/1999	
	Moslehi, et al.	5	9	3	7	1	4	2	08/10/1999	
	Vinson, et al.	5	9	5	8	1	8	5	09/28/1999	
	Gat, et al.	5	9	6	0	1	5	8	09/28/1999	

(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: AGX-45-CIP	Serial Number: 10/040,272
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	Filing Date: November 7, 2001 Confirmation No: 9676	Group Art Unit: 3742

	Gat	5	9	7	0	2	1	4	10/19/1999
	Shah	5	9	7	0	3	8	2	10/19/1999
	Singh, et al.	5	9	8	0	6	3	7	11/09/1999
	Champetier, et al.	5	9	9	7	1	7	5	12/07/1999
	Oriaran, et al.	6	0	1	7	4	1	8	01/25/2000
	Champetier, et al.	6	0	2	7	2	4	4	02/22/2000
	Dwiggins, et al.	6	0	3	3	5	2	3	03/07/2000
	Dwiggins, et al.	6	0	3	3	7	6	1	03/07/2000
	Guardado	6	0	3	4	3	5	7	03/07/2000
	Oriaran, et al.	6	0	5	1	1	0	4	04/18/2000
	Champetier	6	0	5	6	4	3	4	05/02/2000
	Dwiggins, et al.	6	0	6	8	7	3	1	05/30/2000
	Tay, et al.	6	0	7	5	9	2	2	06/13/2000
	Oriaran, et al.	6	1	0	3	0	6	3	08/15/2000
	Oriaran, et al.	6	1	1	3	7	4	0	09/05/2000
	Dwiggins, et al.	6	1	4	3	1	3	1	11/07/2000
	Harper, et al.	6	1	5	3	0	5	3	11/28/2000
	Guardado	6	1	6	0	2	4	2	12/12/2000
	Thakur	6	1	7	4	6	5	1	01/16/2001
	Tay, et al.	6	2	0	0	0	2	3	03/13/2001
	Tay, et al.	6	2	0	4	4	8	4	03/20/2001
	Hathaway	6	2	1	0	4	8	4	04/03/2001
	Guardado, et al.	6	2	2	2	9	9	0	04/24/2001
	Das, et al.	6	2	8	1	1	4	1	08/28/2001
	Guardado	6	2	9	3	6	9	6	09/25/2001
	Gat	6	3	1	0	3	2	8	10/30/2001
	Tay, et al.	6	3	5	9	2	6	3	03/19/2002
	Tay, et al.	6	4	0	3	9	2	3	06/11/2002
	Thakur, et al.	6	5	1	4	8	7	6	02/04/2003
	O'Carroll, et al.	6	5	5	9	4	2	4	05/06/2003
	Gat	6	6	1	0	9	6	7	08/26/2003
	Walk, et al.	6	6	1	4	0	0	5	09/02/2003
	Levy, et al.	6	6	3	8	8	7	6	10/28/2003
	Gat, et al.	6	7	1	7	1	5	8	04/06/2004
	Gat	6	7	2	7	4	7	4	04/27/2004

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER							PUBLICATION DATE	COPY NOTE
	Gat, et al.	0	0	1	7	6	1	8	02/14/2002	
	Koren, et al.	0	0	1	8	0	0	8	01/29/2004	
	Selbrede, et al.	0	0	2	5	7	8	7	02/12/2004	
	Chang, et al.	0	0	3	1	7	9	3	02/13/2003	
	Gat	0	0	3	5	8	4	7	02/26/2004	
	Eisele, et al.	0	0	5	8	5	5	7	03/25/2004	
	Timans	0	0	8	4	4	3	7	05/06/2004	
	Koren, et al.	0	1	0	4	6	1	9	08/08/2002	
	Johnsgard, et al.	0	1	2	4	8	2	0	07/03/2003	
	Lee, et al.	0	2	0	9	3	2	6	11/13/2003	
	Li, et al.	0	2	3	5	9	8	3	12/25/2003	
	Timans	0	2	3	6	6	4	2	12/25/2003	

(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: AGX-45-CIP	Serial Number: 10/040,272
	Applicant: Paul Janis Timans	
	Filing Date: November 7, 2001 Confirmation No: 9676	Group Art Unit: 3742

FOREIGN PATENT DOCUMENTS															
EXAMINER INITIALS		COUNTRY	DOCUMENT NUMBER								PUBLICATION DATE	TRANSLATION			COPY NOTE
												YES	NO	N/A	
		WO	0	1	4	5	5	0	1	A2 & A3	06/28/2001			X	
		EP	0	4	7	6	3	0	7	A1	03/25/1992			X	
		EP	0	5	0	5	9	2	8	A2	09/30/1992		X		
		EP	0	5	7	6	7	9	1	A1	01/05/1994			X	
		EP	0	6	1	8	3	2	9	B1	10/05/1994	X			
		EP	0	6	7	5	2	2	5	B1	10/04/1995			X	
		DE	4	3	0	6	3	9	8	A1	09/08/1994		X		
		WO	9	5	1	3	4	2	4	A1	05/18/1995			X	

*"NO" means that no copy of an English language translation is within the possession, custody, or control of, or is readily available to any individual designated in Rule 56(c).

EXAMINER INITIALS	OTHER DOCUMENTS	COPY NOTE
	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	
	Abstract of Japanese Patent No. JP5259082 10/08/1993	
	Article – <i>Temperature measurement in rapid thermal processing</i> , Paul J. Timans, Solid State Technology, April 1997, 6 pages	
	Article – <i>Reduced Thermal Processing for ULSI</i> , C. Hill, S. Jones, and D. Boys, Rapid Thermal Annealing – Theory and Practice, pp. 143-180	
	Article – <i>Application of Rapid Thermal Processing in Manufacturing: The Effect of Emissivity and Coupling</i> , James S. Nakos, pp. 421-428	
	Article – <i>The Effect of Multilayer Patterns on Temperature Uniformity during Rapid Thermal Processing</i> , Jeffrey P. Hebb and Klavs F. Jensen, J. Electrochem. Soc., Vol. 143, No. 3, March 1996, pp. 1142-1151	
	Article – <i>Beam Processing In Silicon Device Technology</i> , C. Hill, Laser and Electron-Beam Solid Interactions and Materials Process, 1981, pp. 361-374	
EXAMINER	DATE CONSIDERED	
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